does not ſucceed, as it is very likely it will not, it will ſerve at leaſt to expoſe the Vanity and Uſeleſſneſs of all thoſe Receipts and Proceſſes of Vegetation, that are to be found printed in *Mizaldus*, *Porta*, and other more modern foreign Compilers.

V. *A* Catalogue *of the* FIFTY PLANTS *from* Chelſea *Garden*, *preſented to the* ROYAL SOCIETY *by the Company of* Apothecaries, *for the Year* 1739. *purſuant to the Direction of Sir* Hans Sloane, *Bart. Med. Reg. & Soc. Reg. Præſ. By* Iſaac Rand, *Apothecary*, F. R. S. *Hort. Chel. Præf. ac Prælec. Botan.*

851. ACarna major; caule folioſo. C. B. 379.

852. Aſtragalus, perennis hirſutus, Alopecuroides; Galegæ foliis; floribus luteis.

853. Bauhinia non aculeata; folio ſubrotundo, bicorni; floribus albis. D. Houſton.

854. Bidens Americana; flore albo radiato; foliis inferioribus trilobatis; ſuperioribus ſubrotundis, acute crenatis.

855. Bidens latifolia, hirſutior; ſemine anguſtiore, radiato. H. Elt. P. 51.

856. Bidens ſcabra; flore niveo; folio Panduræformi. Ibid. P. 54.

857. Bignonia Americana; Fraxini folio; flore amplo phœniceo. T. 164.

858.

858. Bignonia Americana; Fraxini folio, minor; flore coccineo.
859. Calendula, minor, arvenſis. H. L. Bat.
860. Camara, Americana; Urticæ foliis, latioribus, ſpinoſa; floribus miniatis.
861. Camara, Americana; Urticæ folio; floribus miniatis.
862. Camara, Americana; Urticæ foliis minoribus; flore vario.
863. Camara Americana; foliis parvis ſubrotundis; floribus, foliolis interceptis.
864. Camara Americana; ſalviæ foliis, mucronatis; floribus luteis.
865. Caprifolium Germanicum. Dod. 411.
866. Chenopodio-morus media; foliis argute dentatis.
867. Chenopodium; Botryos folio, ſubtus candicante.
Atriplex ſylveſtris. II. Tab. Icon. 407.
868. Chenopodium; folio laciniato majus.
Pes Anſerinus. Fuſchii.
869. Chenopodium; folio ſinuato, candicante. T. 506.
Atriplex ſylveſtris. Tab. Icon. 406.
870. Chondrilla; Sonchi folio; flore luteo-palleſcente. T. 475.
871. Cirſium, arvenſe repens; folio vix ſinuato, in aculeum abeunte.
872. Cruciata nova, Romana, minima, muralis. Col. Ecph. 295.
873. Cynogloſſum, Virginianum; flore minimo, albo. Baniſteri. Pluk. Alm. 126.
874. Eryngium maritimum. C. B. 386.

875.

875. Eryngium vulgare. Ibid.
Eryngium campeſtre. Dod. 730.
876. Jacobæa; foliis ferulaceis.
877. Lappa; ſive Bardana major; flore albo. H. Ox. III. 147.
878. Lappa major, ex omni parte minor; capitulis parvis eleganter reticulatis. Pluck. Alm.
879. Lilac; Liguſtri folio. T. 62.
880. Lyſimachia annua, minima; Polygoni folio. T. 142.
881. Mentha, anguſtifolia, ſpicata. C. B. 227.
882. Mentha, anguſtifolia altera, rugoſior; ſpica hirſuta.
883. Mentha, verticillata; longiori acuminato folio; odore aromatico.
884. Oldenlandia, humilis, Hyſſopifolia. Plum. N. G. 42.
885. Oxys, lutea, Americana, procumbens.
886. Pervinca vulgaris, anguſtifolia. T. 120.
887. Petaſites major, & vulgaris. C. B. 197.
888. Petaſites major; floribus albis; ſpica bipedali. D. Bobart.
Petaſites major; floribus pediculis longis inſidentibus. R. Syn. III. 179.
889. Petaſites minor; folio Tuſſilaginis. Mor. H. Reg. Bleſ.
890. Phlomis; acuminato, viridi, ſplendente folio; flore purpuraſcente; caulibus villoſis.
891. Phlomis, Hiſpanica, fruticoſa, candidiſſima; flore ferrugineo. T. 178.
892. Phlomis Narbonenſis; Hormini folio; flore purpuraſcente. Ibid.

893. Phytolacca; fructu monopyreno, majore; folio longiore, glabro.
894. Piloſella, major, umbellifera, macrocaulos. *Floribus eſt floſculoſis.* Col. Ecph. 248.
895. Roſa; Pimpinellæ folio, Scotica; flore eleganter variegato.
Roſa Ciphiana. Sibald. Scot. Illuſt.
896. Roſa ſylveſtris, Virginienſis.
897. Senecio Americanus; folio haſtato, nitide ſerrato.
898. Sium umbellatum, repens. Ger. Emac. 256.
899. Solanum, fruticoſum, Africanum; Lauri foliis.
900. Vulneraria erecta annua; folio ſubrotundo leviter crenato.
Loto affinis, Coryli folio. Dod. Mem.

VI. *A Phyſico-mathematical Demonſtration of the Impoſſibility and Inſufficiency of* Vortices: *By M.* de Sigorgne. *Tranſlated from the* French *by* T. S. *M. D.* F. R. S.

THAT natural Philoſophers of an inferior Claſs, who conſider only the Outſide of Things, are obſtinate in the Defence of *Vortices*, is, in my Opinion, not to be wondered at: The Idea of them ſtrikes the Mind very agreeably at firſt, and even ſeems to promiſe the true Mechaniſm. But that Perſons verſed in the moſt profound Geometry, and in the moſt ſublime Calculations, able Academicians, who inceſſantly apply themſelves to the Study of Na-